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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/905,502

07/13/2001

John Border

PD-201024

3361

7590

03/09/2005

Hughes Electronics Corporation
Patent Docket Administration
Bldg. 1, Mail Stop A109
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EXAMINER

JONES, PRENELL P

ART UNIT

PAPER NUMBER

2667

DATE MAILED: 03/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/905,502

Applicant(s)

BORDER ET AL.

Examiner

Prenell P Jones

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 August 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 8/8/2003
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 1-3, 7-14, 18-25, 29-36, 40-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Monachello et al in view of CISCO.

Regarding claims 1-3, 7-14, 18-25, 29-36, 40-44, Monachello discloses (Fig. 5, col. 1, line 28 thru col. 2, line 15, col. 5, line 10 thru col. 11, line 66) selecting service provider for connection to Internet wherein the architecture includes access to a backbone (LAN/WAN) is via a multi-service access platform (MSAP), whereby MSAP is located at

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the central office, multiple workstations, subscribers are connected to the LAN, plurality connections to service providers, subscriber having a number of different connection profiles, particular service parameters at network service provider are defined, service connection entries are created and contained in connection table which utilize pointers, connection parameters are required for establishing connection operations end-to-end, each subscriber has a different connection profile, (col. 12, line 1-67) connection profiles contain descriptions of protocols and addressing, connection profiles contain fail over service, idle time, time to live, earliest start, latest start, force log-off time, (col. 14, line 29-30) traffic management profiles are associated with service, connection with service providers, (col. 7, line 5-55) table entries contain table pointers, table entries used for identification. However, Monachello is silent on performing enhancing functions. In a communication system that utilizes routers to route information associated with a LAN/WAN (backbone/core) environment and making use of managing data routing, Cisco discloses (pages 1-7) policy-based routing of information wherein the architecture include packets are forwarded/routed based on policies defined, routers forward packets to destinations based on routing protocols, information is routed between core/backbone (LAN/WAN) and platform, such as RIP, OSPF or Enhanced Interior Gateway Routing Protocol (Enhanced IGRP), route maps, packets forwarded based on routing entries in routing table, packets are routed through a destination-based routing process. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to be motivated to implement using Enhanced IGRP as taught by

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Cisco with the teachings of Monachello for the purpose of further routing data information effectively.

4. Claims 4-6, 15-17, 26-28 and 37-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Monachello et al in view of CISCO as applied to claims 1-3, 7-14, 18-25, 29-36, 40-44 above, and further in view of Pirot et al.

Regarding claims 4-6, 15-17, 26-28 and 37-39, as mention above, Monachello discloses (Fig. 5, col. 1, line 28 thru col. 2, line 15, col. 5, line 10 thru col. 11, line 66) selecting service provider for connection to Internet wherein the architecture includes access to a backbone (LAN/WAN) is via a multi-service access platform (MSAP), whereby MSAP is located at the central office, multiple workstations, subscribers are connected to the LAN, plurality connections to service providers, subscriber having a number of different connection profiles, particular service parameters at network service provider are defined, service connection entries are created and contained in connection table which utilize pointers, connection parameters are required for establishing connection operations end-to-end, each subscriber has a different connection profile, (col. 12, line 1-67) connection profiles contain descriptions of protocols and addressing, connection profiles contain fail over service, idle time, time to live, earliest start, latest start, force log-off time, (col. 14, line 29-30) traffic management profiles are associated with service, connection with service providers, (col. 7, line 5-55) table entries contain table pointers, table entries used for identification, and Cisco discloses (pages 1-7) policy-based

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routing of information wherein the architecture include packets are forwarded/routed based on policies defined, routers forward packets to destinations based on routing protocols, information is routed between core/backbone (LAN/WAN) and platform, such as RIP, OSPF or Enhanced Interior Gateway Routing Protocol (Enhanced IGRP), route maps, packets forwarded based on routing entries in routing table, packets are routed through a destination-based routing process. However, both Monachello and CISCO are silent on control blocks associated with backbone. In a communication system that utilizes managing the routing of information, Pirot discloses (col. 2, line 30-37, col. 3, line 10 thru col. 4, line 57, col. 13, line 1 thru col. 16, line 67) controlling and managing routing of information and data services wherein the architecture includes ATM backbone with associated connections, switch router, communication between platforms (servers) via backbone, service management, parameters associated with profile, performance monitored, service and routing managed with respect to QoS policies, (col. 15, line 1 thru col. 16, line 67) service control points associated with the Internet backbone and transfer points (transfer information to destination), and mapping control functions onto the system. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to motivated to implement associating control information with mapping of data as associated with transfer of information from one location to another as taught by Pirot for the purpose of further managing the routing of information and satisfying service request.

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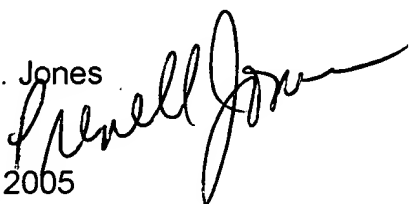
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prenell P. Jones whose telephone number is 571-272-3180. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Prenell P. Jones

March 4, 2005

A handwritten signature in black ink, appearing to read "Prenell Jones", is written over the typed name and date.